

**KEY FEATURES**

- ✓ Grips with gecko-inspired adhesive
- ✓ Picks up flat objects without air systems
- ✓ Can lift solid or porous objects
- ✓ Instantaneous gripping
- ✓ Integrated load sensor for precise gripping
- ✓ Range sensor – part presence
- ✓ 3 ways to clean: autonomous, robotically and manually


**TECHNICAL SPECIFICATIONS**

Specification or Feature	Value / Comments			
<b>Gripper</b>				
Workpiece Material	Polished Steel	Acrylic	Glass	Sheet Metal
Maximum payload (x2 safety factor)	4.1 kg	4.1 kg	3.3 kg	3.1 kg
With Cleaning System	1.6 kg	1.6 kg	1.3 kg	1.3 kg
Pre-load required for max adhesion	125 N			
Detachment time	500 msec			
Holds part on power loss?	Yes			
<b>Pads</b>				
Change-out interval	100,000 to 200,000 cycles			
Autonomous cleaning system	Piezoelectric			
Minimum run-time for cleaning	1 second			
Autonomous cleaning interval and % recovery	15 sec: 3% / 2 min: 5% / 15 min: 15% (max)			
Robotic cleaning system	Silicone roller			
Robotic cleaning interval and % recovery	Variable / 100%			
<b>Sensors</b>				
	Pre-load sensor	Ultrasonic Range sensor		
Range	40 - 140 N	0 – 260 mm		
Sensitivity	3 N	300 KHz		

MECHANICAL DIMENSIONS

